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- 1 [XClust: clustering XML schemas for effective integration](#)  
Mong Li Lee, Liang Huai Yang, Wynne Hsu, Xia Yang  
November 2002 **CIKM '02: Proceedings of the eleventh international confer**  
**Publisher:** ACM [Request Permissions](#)  
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It is increasingly important to develop scalable integration techniques for practical starting point for the integration of large numbers of Document to first find ...

**Keywords:** XML Schema, clustering, data integration, schema matching

- 2 [Computing curricula 2001](#)  
 [CORPORATE The Joint Task Force on Computing Curricula](#)  
September 2001 **Journal on Educational Resources in Computing (JER**  
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- 3 [NeT & CoT: translating relational schemas to XML schemas using se](#)  
 [Dongwon Lee, Murali Mani, Frank Chiu, Wesley W. Chu](#)  
November 2002 **CIKM '02: Proceedings of the eleventh international confer**  
**Publisher:** ACM [Request Permissions](#)  
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Two algorithms, called NeT and CoT, to translate relational schemas to X are presented. The XML schema representation we use is a language-ind precise and concise. ...

**Keywords:** XML, schema translation, semantic constraints

- 4 [Answering queries using views: A survey](#)  
Alon Y. Halevy


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December 2001 **The VLDB Journal — The International Journal on Ver**  
**Publisher:** Springer-Verlag New York, Inc.  
 Full text available:  [Pdf](#) (308.74 KB) [Additional Information: full citation, at](#)  
**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 232, Downl

The problem of answering queries using views is to find efficient method defined materialized views over the database, rather than accessing the received significant ...




**Keywords:** Data integration, Date warehousing, Materialized views, Que

## 5 [Towards static type checking for XSLT](#)

 Akihiko Tozawa  
 November 2001 **DocEng '01: Proceedings of the 2001 ACM Symposium on**  
**Publisher:** ACM  [Request Permissions](#)  
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We are concerned about the *static type checking* problem for XSLT. In th *types* are DTDs or schemas, and *static type checking* is to verify that a p

## 6 [The evolution of hypertext link services](#)




 Leslie Carr, Wendy Hall, David De Roure  
 December 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 4es  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (28.11 KB) [Additional Information: full citation, re](#)  
**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 46, Download

**Keywords:** electronic publishing, link services, open hypermedia system

## 7 [Review of "The language of word meaning" by Pierrette Bouillon and](#)

[\(Studies in natural language processing, edited by Branimir Bogurač](#)  
[Mari Broman Olsen](#)  
 June 2002 **Computational Linguistics** , Volume 28 Issue 2  
**Publisher:** MIT Press  
 Full text available:  [Pdf](#) (242.09 KB) [Additional Information: full citation, re](#)  
**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 29, Download

## 8 [Exploring the role of visualization and engagement in computer scier](#)

 Thomas L. Naps, Guido Rößling, Vicki Almström, Wanda Darrin, Rudolf Fleiss  
 Maimi, Mylas McNally, Susan Rodger, J. Angel Velázquez-Iturbide  
 June 2002 **ITICSE-WGR '02: Working group reports from ITICSE on Inr**  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (414.24 KB) [Additional Information: full citation, at](#)  
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Visualization technology can be used to graphically illustrate various con

technology, no matter how well it is designed, is of little educational value activity. ...

Also published in:

June 2003 **SIGSE Bulletin** Volume 35 Issue 2


## 9 Reasoning about code mobility with mobile UNITY


 Gian Pietro Picco, Grigori-Catalin Roman, Peter J. McCann

July 2001

**Transactions on Software Engineering and Methodology**

**Publisher:** ACM

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Full text available:  [Pdf](#) (419.80 KB)


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Advancements in network technology have led to the emergence of new programming practices by employing weak forms of consistency and dynamic allows for invocation-time ...

**Keywords:** UNITY, code mobility, mobile agent


## 10 Embodied contextual agent in information delivering application


 Catherine Pelachaud, Valeria Caroligligio, Berardina De Carolis, Fiorella de R

July 2002

**AAMAS '02: Proceedings of the first international joint conference on systems: part 2**

**Publisher:** ACM

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We aim at building a new human-computer interface for Information Delivery we have developed is a multimodal believable agent able to converse with coherent verbal ...

**Keywords:** believable agent architectures, cognitive models and models interface and conversational agents, personality and emotion in agents


## 11 Spatial data integrity constraints in object oriented geographic data n


 Karla A. V. Borges, Alberto H. F. Laender, Clodoveu A. Davis, Jr.

November 1999

**GIS '99: Proceedings of the 7th ACM international symposium on systems**

**Publisher:** ACM

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Full text available:  [Pdf](#) (80.31 KB)

Additional Information: [full citation](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 46, Downloads

**Keywords:** conceptual modeling, geographic data modeling


## 12 The complexity of acyclic conjunctive queries

 Georg Gottlob, Nicola Leone, Francesco Scarcello

May 2001

**Journal of the ACM (JACM)** . Volume 48 Issue 3

**Publisher:** ACM

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Full text available:

Additional Information:

 Pdf (566.16 KB)

[full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 108, Download

This paper deals with the evaluation of acyclic Boolean conjunctive queries. Yannakakis[1981], this problem is solvable in polynomial time; its precise complexity, subsumption, tree query


**Keywords:** CSP, LOGCFL, acyclic hypergraph, algorithm, bounded tree-width satisfaction problem, database theory, degree of cyclicity, hinge, join tree, subsumption, tree query

### 13 Spoken dialogue technology: enabling the conversational user interface

 Michael F. McTear

March 2002 **Computing Surveys (CSUR)**, Volume 34 Issue 1

**Publisher:** ACM [Request Permissions](#)

Full text available:  Pdf (987.69 KB)

[Additional Information:](#) [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 95, Downloads (12 Months): 671, Download

Spoken dialogue systems allow users to interact with computer-based applications by using natural spoken language. The origins of spoken dialogue system research in the ...

**Keywords:** Dialogue management, human computer interaction, language recognition, speech synthesis

### 14 Review of "Efficient processing with constraint-logic grammars using

Stanford: CSLI Publications (Stanford monographs in linguistics), 200

Suresh Manandhar

June 2002 **Computational Linguistics**, Volume 28 Issue 2

**Publisher:** MIT Press

Full text available:  Pdf (242.09 KB)

[Additional Information:](#) [full citation](#), [at](#)


**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 12, Download

### 15 The intrinsic problems of structural heterogeneity and an approach to

Theo Härder, Günter Sauter, Joachim Thomas

April 1999 **The VLDB Journal — The International Journal on Very**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (132.99 KB)


[Additional Information:](#) [full citation](#), [at](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 46, Download

This paper focuses on the problems that arise when integrating data from database view. At first, we give a detailed analysis of the kinds of structures that are derived ...

**Keywords:** Heterogeneity, Legacy systems, Mapping language, Schema

### 16 A systematic study of functional language implementations

 Rémi Douence, Pascal Fradet

March 1998 **Transactions on Programming Languages and Systems**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (273.98 KB)


Additional Information: [full citation](#), [ask](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 76, Download

We introduce a unified framework to describe, relate, compare, and classify compilation process is expressed as a succession of program transformation different transformations ...


**Keywords:** abstract machines, combinators, compilers, functional programming

# 17 Enabling full service surrogates using the portable channel representation

 Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouaniz, Patrick

April 2001 **WWW '01: Proceedings of the 10th international conference on**

**Publisher:** ACM


Full text available:  Pdf (282.92 KB)

Additional Information: [full citation](#), [reference](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 15, Download


**Keywords:** content distribution, dynamic content, mirroring, portability,

# 18 A model of multimedia information retrieval

 Carlo Meghini, Fabrizio Sebastiani, Umberto Straccia

September 2001 **Journal of the ACM (JACM)**, Volume 48 Issue 5

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (5.69 MB)


Additional Information: [full citation](#), [ask](#)

**Bibliometrics:** Downloads (6 Weeks): 22, Downloads (12 Months): 356, Download

Research on multimedia information retrieval (MIR) has recently witnessed a research trend in its simultaneous but independent materialization within multimedia richness ...


**Keywords:** Description logics, fuzzy logics, multimedia information retrieval

# 19 Selectivity estimation using probabilistic models

 Lise Getoor, Benjamin Taskar, Daphne Koller

June 2001 **SIGMOD '01: Proceedings of the 2001 ACM SIGMOD international**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (525.74 KB)

Additional Information: [full citation](#), [ask](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 79, Download

Estimating the result size of complex queries that involve selection on multiple attributes is a difficult but fundamental task in database query processing. It arises in many

Also published in:

June 2001 **SIGMOD Record** Volume 30 Issue 2

# 20 On the effective use and reuse of HCI knowledge

Alistair Sutcliffe



June 2000

**Transactions on Computer-Human Interaction (TOCHI)**

**Publisher:** ACM



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Full text available: Pdf (245.10 KB)

Additional Information: [full citation](#), [ap](#),  
[index terms](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 44, Downloads (12 Months): 543, Downl

The article argues that new approaches for delivering HCI knowledge from millennium. First the role of theory in HCI design to date is reviewed, in interaction ...

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